

SYSTEM AND METHOD FOR CAPTURING PRINT INFORMATION  
USING A COORDINATE CONVERSION METHOD

ABSTRACT OF THE DISCLOSURE

A system and method is provided for converting biometric image data captured in a first coordinate system into biometric image data in a second coordinate system (e.g., from polar to rectangular). The system includes a receiving module for receiving raw image data captured in a first coordinate system, a coordinate conversion module, and a memory. The conversion system can be implemented in a biometric imaging system or in a system external to a biometric imaging system. After raw image data captured in a first coordinate system has been received, for each pixel in a defined output area, the coordinate conversion module retrieves an entry in a conversion data array and one or more samples from the captured raw image data. The coordinate conversion module then interpolates the retrieved samples using weighting based on the conversion data array entry to obtain the respective pixel value in the second coordinate system.

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